VANDERBILT

ADS5200, ADS5210

SiPass® integrated

Single Reader Interface (SRI)

- **Interface module for one card reader**
- **Support for an entry reader to monitor and control a door**
- **Easy installation**

The ADS5200 and ADS5210 provide a Clock&Data/Wiegand interface between a card reader and the central controller (AC5100, AC5102 or AC5200) for one card reader. When a cardholder presents an access card at an entry or exit reader the ADS5200 or ADS5210 reader interface interprets the encoded information and sends this data to the central controller. The controller then checks the validity of the cardholder, and if the appropriate permissions have been assigned, the controller sends a message back to the reader interface allowing it to unlock the door and provide passage. It can also report the status of the door (locked or unlocked) at any time.

Note: Neither the ADS5200 nor the ADS5210 has an RS485 interface for card readers. They support only Clock&Data or Wiegand readers.

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1   Features

- Support popular reader technologies
- Door contact input
- Request-to-exit input
- Two auxiliary inputs
- Lock/door strike output (relay)
- Auxiliary output (open collector)
- Reader power source
- Supervision of input wires
- Communications status LED
- Activity status LED
- Power status LED
- Flash memory updateable
- Ability to perform remote maintenance, significantly reducing overall maintenance times
- Field management tool available
- Host system compatibility for firmware and configuration download via ACC

2   Description

An SRI controls access via a door or barrier by supporting one entry reader, one request-to-exit device, one door strike (to lock and unlock the door), and one door contact to detect the door position (open/closed).

The onboard inputs of an SRI can be individually supervised, which ensures that any wire tampering generates an alarm message in the system.

An SRI includes two programmable auxiliary input connections for the monitoring of system aspects such as cabinet doors, duress switches or PIR motion sensors.

An SRI also includes an open-collector auxiliary output to enable the connection of a buzzer, strobe light or similar device that triggers when security is breached.

SRIs are fully updateable using the latest flash technology, and they can be easily programmed via the host system to operate in their intended mode. This leading-edge technology makes it possible for the SRI to be re-programmed or re-configured and used in conjunction with other Vanderbilt security products, providing a complete and fully expandable security system.

3 Technical data

	ADS5200 / ADS5210
Interface	FLN connection to controller: RS485
	To readers: Clock&Data or Wiegand port
Operating voltage	12 VDC
	±20 %
Power consumption	12 W
Outputs	1 x Lock output relay (30 VDC, 2 A)
	1x Open-collector output (100 mA, 12 VDC)
Inputs	1 x REX button
	1 x Door contact
	2 x Auxiliary
	All inputs unsupervised or supervised
Tamper switch	Optional, auxiliary input
Firmware	Flash upgradeable
Indicators	Power, Activity, Communication
Operating temperature	0 to +50 °C
IP rating	ADS5210: IP56
Housing	ADS5210: ABS plastic
Dimensions (W x H x D)	ADS5200: 125 x 125 x 34 mm
	ADS5210: 200 x 154 x 79 mm
Approval	ADS5200: CE, UL294, C-Tick
	ADS5210: CE

4 Details for ordering

Type	Part no.	Designation	Weight
ADS5200[1]	V6FL7820-8CA20	Single reader interface module including base plate	0.25 kg
ADS5210[2]	V6FL7820-8CA21	Single reader interface module including base plate and plastic housing	0.6 kg

[1] Former type designation: RIM-020
[2] Former type designation: RIM-021